

ABSTRACT OF THE DISCLOSURE

The transmitter for projecting a beam of laser light includes a source of a beam of laser light, and a projection arrangement for directing the beam of laser light at a selected grade. The transmitter further includes a temperature sensor for detecting the temperature of said transmitter, and a temperature correction circuit, including a look-up table, responsive to said temperature sensor, for adjusting said projection arrangement in dependence upon offset grade values that are stored in said look-up table for a plurality of transmitter temperatures. These offset grade values are separately determined on an empirical basis for each transmitter, such that temperatures induced errors in the direction of the beam of laser light are compensated.